

SAFETY DATA SHEET

Revised: 3.27.2020

===== SECTION 1 - IDENTIFICATION =====

| | | | |
|---------------|------------------------|--------------------|-----------------|
| MANUFACTURER: | Diamapro Systems, Inc. | EMERGENCY PHONE: | 1-800-424-9300 |
| ADDRESS : | 325 West Front Street | INFORMATION PHONE: | 1-800-622-2048 |
| | Erie, PA 16507 | NAME OF PREPARER: | Safety Director |

PRODUCT NAME: Diamapro Diamapro-TLP**PRODUCT CODE: DPTLP**

===== SECTION 2 - HAZARDS IDENTIFICATION =====

HAZARD RISK CLASSIFICATION**SIGNAL WORD: DANGER****PICTOGRAM:**

GHS07 - EXCLAMATION MARK GHS08 HEALTH HAZARD

HAZARD CLASS**HAZARD CATEGORY**

| | |
|-----------------------------------|-----------------------------|
| FLAMMABLE LIQUIDS | CATEGORY 4 |
| ACUTE TOXICITY | CATEGORY 4 ORAL |
| ACUTE TOXICITY | CATEGORY 4 DERMAL |
| ACUTE TOXICITY | CATEGORY 4 INHALATION |
| SKIN CORROSION / IRRITATION | CATEGORY 2 |
| SERIOUS EYE DAMAGE EYE IRRITATION | CATEGORY 2 AND 2A |
| TOXIC TO REPRODUCTION | CATEGORY 1 (BOTH 1A AND 1B) |
| TOXIC TO SPECIFIC TARGET ORGAN | CATEGORY 3 |
| TOXICITY - SINGLE EXPOSURE | |

HAZARD STATEMENTS:

| | |
|-----------------------|--|
| H227 | Combustible liquid |
| H302+H312+H332 | Harmful if swallowed, in contact with skin or if inhaled |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation |
| H360 | May damage fertility or the unborn child. |

PRECAUTIONARY STATEMENTS:**PREVENTION:**

| | |
|-------------|---|
| P201 | Obtain special instructions before use. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P210 | Keep away from heat/hot surfaces/sparks/open flames and other sources of ignition. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapor/ spray. |
| P264 | Wash hands and any exposed area thoroughly after handling. |
| P270 | Do not eat, drink or smoke while using this product. |
| P271 | Use only outdoors or in well-ventilated area. |
| P281 | Use appropriate personal protective impervious gloves/protective clothing/ OSHA approved eye protection/ face protection. |

RESPONSE:

| | |
|-----------------------|--|
| P301+P310 | If swallowed: Immediately call a Poison Center / doctor. |
| P302+P350 | If on skin: Wash with plenty of soap and water. |
| P304+P340 | If inhaled: Remove person to fresh air and keep comfortable for breathing. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313 | If exposed or concerned: Get medical advice / attention. |
| P312 | Call a POISON CENTER/doctor if you feel unwell. |
| P321 | Specific treatment (see on this label) |
| P330 | Rinse mouth. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P363 | Wash contaminated clothing before reuse. |
| P370+P378 | In case of fire: Use carbon dioxide (CO2), powder, alcoholresistant foam to extinguish. |

STORAGE:

| | |
|------------------|--|
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |

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P405 Store locked up.

DISPOSAL:

P501 Store separately. Dispose of contents/ container in accordance with local/ regional/national /international regulations.

===== SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS =====

| COMPONENT | CAS NUMBER | WEIGHT PERCENT | EXPOSURE LIMITS | | |
|-------------------------------------|------------|----------------|-----------------|-----------|--------------|
| | | | OSHA PEL | ACGIH TLV | OTHER |
| +* N-Methyl-2-Pyrrolidone | 872-50-4 | 5.2 | NOT ESTABLISHED | | |
| Dipropylene Glycol Monomethyl Ether | 34590-94-8 | 1-10 | 100 PPM | 100 PPM | 150 PPM STEL |
| Dipropylene Glycol N-Butyl Ether | 29911-28-2 | 1-10 | NOT ESTABLISHED | | |
| + 2-Butoxyethanol | 111-76-2 | 1.1 | 25 PPM | 25 PPM | |

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.

+ Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

PRIMARY ROUTES OF EXPOSURE:

Skin contact.

EFFECTS OF ACUTE EXPOSURE:

EYES: Direct contact with eyes may cause irritation.

SKIN: Prolonged or repeated contact may cause irritation. 2-Butoxyethanol may be absorbed through skin and produce toxic effects similar to those resulting from inhalation exposure.

INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.

INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

CHRONIC HEALTH EFFECTS:

Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

No known effects on other illnesses.

===== SECTION 4 - FIRST AID MEASURES =====

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

===== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: Greater than 200 F **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME: **LOWER:** 1.10 **UPPER:** 14.0
EXTINGUISHING MEDIA:

This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES:

Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

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Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

===== SECTION 7 - HANDLING AND STORAGE =====

HANDLING INFORMATION:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communication Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

STORAGE INFORMATION:

Keep containers tightly closed. Use and store material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post "No smoking or open flame" sign. Store only in approved containers. Keep away from incompatible materials (see section 10). Protect containers against physical damage. Indoor storage should meet OSHA standards and appropriate fire codes.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an environmentally safe manner in accordance with all governmental regulations.

===== SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION =====

RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or areas with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION:

General room ventilation is adequate.

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing.

Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidelines.

===== SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES =====

| | | | |
|---|-----------------------|-----------------------------|-------------------|
| PHYSICAL STATE: | Liquid | COLOR: | Clear |
| ODOR: | Amine or ammonia odor | SOLUBILITY IN WATER: | Dilutable |
| SPECIFIC GRAVITY (H₂O=1): | 1. | VAPOR DENSITY: | Heavier than air. |
| BOILING RANGE: | | EVAPORATION RATE: | Slower than nBuAc |
| COATING V.O.C.: 374 g/l | (3.12 lb/gal) | | |

===== SECTION 10 - STABILITY AND REACTIVITY DATA =====

STABILITY:

Stable under normal conditions and handling.

CONDITIONS TO AVOID:

None known

INCOMPATIBILITY (MATERIALS TO AVOID):

None known. Materials which are not compatible with water or ordinary organics will not be compatible with this material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

HAZARDOUS POLYMERIZATION:

Will not occur.

===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

SENSITIZATION:

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY:

2-Ethoxyethanol has been suggested as a cause of male and female reproductive fertility effects, and testis damage.

TERATOGENICITY (BIRTH DEFECTS):

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There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:

2-Butoxyethanol may cause blood disorders based on animal data.

===== **SECTION 12 - ECOLOGICAL INFORMATION** =====

ENVIRONMENTAL DATA:

Contains ammonia or amines which may be toxic to aquatic life.

===== **SECTION 13 - DISPOSAL CONSIDERATIONS** =====

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

===== **SECTION 14 - TRANSPORT INFORMATION** =====

SHIPPING NAME:

Not regulated.

===== **SECTION 15 - REGULATORY INFORMATION** =====

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 2.

STATE SPECIFIC REQUIREMENTS:

This product contains 2-Butoxyethanol, a chemical known to the state of California to cause reproductive harm, subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS

2-Butoxyethanol

CAS NUMBER

111-76-2

STATE CODE

CA,FL,IL,MA,ME,MN,NJ,PA,RI

===== **SECTION 16 - OTHER INFORMATION** =====

REVISION DATE: 11/19/12

| | | | | |
|-------------|---|---|---|---|
| HMIS CODES: | H | F | R | P |
| | 2 | 0 | 0 | E |

The information herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results. Also this shall not establish a legally valid contractual relationship.

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in use of the material.

Our products are intended for sale to industrial and commercial customers. We encourage customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications.

Warranty: The manufacturer warrants that products sold comply with specifications as represented and will perform satisfactorily if used according to the directions, or the manufacturer will refund or replace any unused portion thereof, for a period of one year from the date of manufacture. The manufacturer does not make any other warranty, or assume responsibility of any kind, expressed or implied regarding the effect or result of the products use; and assumes no responsibility of injury to vendee or third parties proximately caused by the material if reasonable safety procedures are not adhered to.